

Patent claims:

1. A printing unit (1; 50) of modular design for printing webs (29), which has a stand (2; 2'; 54), which is provided with at least one crossmember (3; 4; 51) at both ends (drive and operating side), printing cylinders (9 to 16) being mounted in the crossmembers (3; 4; 51) in such a way that a structural unit comprising crossmembers (3; 4; 51) and printing cylinders (9 to 16) can be taken completely out of and put into the stand (2; 2'; 54).
2. The printing unit (1; 50) as claimed in claim 1, characterized in that the web (29) can be printed on one and/or both sides, running through between rubber-covered cylinders (13 to 16).
3. The printing unit (1; 50) as claimed in claim 2, characterized in that one of the rubber-covered cylinders (13 to 16) is configured as an impression cylinder (42).
4. The printing unit (1; 15) as claimed in one of the preceding claims, characterized in that the crossmember (3; 4; 51) is aligned horizontally or vertically in the stand (2; 2'; 54).
5. The printing unit (1; 50) as claimed in one of the preceding claims, characterized in that the printing cylinders (9 to 16) are arranged in the crossmember (3; 4; 51) in a line or crossed in any direction or at angles to one another.
6. The printing units (1; 50) as claimed in one of the preceding claims, characterized in that auxiliary subassemblies necessary for the printing process, such as damping and inking units, are accommodated in replaceable subunits (17 to 20),

the subunits (17 to 20) being arranged between crossmember (3; 4; 51) and stand (2; 2'; 54), touching the respective plate cylinder (9 to 12).

- 5 7. The printing unit (1; 50) as claimed in one of the preceding claims, characterized in that the rubber-covered cylinder (13 to 16) is mounted in a swinging arm (21 to 24) in order to pivot.
- 10 8. The printing unit (1; 50) as claimed in claim 7, characterized in that the swinging arm (21 to 24) can be pivoted about an axle (25 to 28) of the plate cylinder (9 to 12).
- 15 9. The printing unit (1; 50) as claimed in one of the preceding claims, characterized in that drives (30) of the printing cylinders (9 to 16) are arranged on the crossmember (3; 4; 51) or on the stand (2; 2'; 54).
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10. The printing unit (1; 50) as claimed in one of the preceding claims, characterized in that at least one drive (30) for printing mechanisms (5 to 8) arranged in the crossmember (3; 4; 51) is arranged in or on said crossmember, the drive (30) being positioned at the center of the plate cylinder (M_P) and driving the respective plate cylinder (9 to 12) or the respective rubber-covered cylinder (13 to 16).
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